## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01555

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01L 21/331			
US CL: 438/312, 309, 478, 343 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 438/312, 309, 478, 343, 493, 503, 933,321, 349; 117/89, 93, 102;			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPAT; JPOABS: EPOABS: DERWENT			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
A	US 5698869 A (Yoshimi et al) 16 December 1997, all		1-15
Α	US 6117750 A (Bensahel et al) 12 September 2000, all		1-15
Α	US 6429098 B1, (Bensahel et al) 06 August 2002, all		1-15
A	US 6551889 B2, Kovacic 22 April 2003, all		1-15
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Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:		"T" later document published after the international filing date or priority	
"A" document	defining the general state of the art which is not considered to be	date and not in conflict with the application principle or theory underlying the inver-	ition but cited to understand the
of particu	lar relevance	"X" document of particular relevance; the c	laimed invention cannot be
•,	plication or patent published on or after the international filing date	considered novel or cannot be consider when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the c considered to involve an inventive step	when the document is
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent for	amity
Date of the actual completion of the international search		Date of mailing of the international search report	
03 November 2004 (03.11.2004)		08 MAR 2	<u>uub</u>
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US		Authorized officer	
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PCT/ISA/210 (second sheet) (July 1998)